Implementing an SDI framework at a Dutch ministry
Interoperability at work

Context

Business perspective:
- EU Water Directive
- Economising
- Ever-changing needs
- Crisis management
- INSPIRE

Current technology:
- Stove piping
- No interoperability
- Vendor lock-in
- Redundancy:
  - o applications
  - o data

Current organisation:
- Decentralised approach
- Redundancy

Goal

To create a flexible infrastructure for the use of geo-information at acceptable cost.

Strategic goals:
- Vendor independance
- EU Water Framework Directive
- Biodiversity
- Transparency
- Flexibility
- Technological improvements

Future

Application areas:

Application Areas

Old

New

Applied specifications

OGC:
- • WCS
- • WFS / Filter Encoding
- • SLD

ISO:
- • ISO 19115
- • ISO 19119

Technologies

Open Source Software:
- Mapserver / GDAL / OGR
- Chameleon
- GeoServer
- Deegree

Proprietary Software:
- IONIC
- ESRI
- Lizardtech

Summary

VenW is moving rapidly from vertical (geo)applications towards a service-oriented architecture using open standards. The main benefits are:
- Transparency
- Uniformity
- Flexibility